

(FILE "USPAT ENTERED AT 16:13:53 ON 06 JUN 1999)

E SINNOT, R/IN

L1 1 S E16

L2 2975 S 424/195, 1/CCLS

L3 146 S NDGA

L4 2975 S HSV OR HERPES OR VIRUS OR VIRAL

L5 499 S NORDIHYDRO?

L6 1586 S 568/579, 626, 630, 631, 633, 700, 716, 700, 717/CCLS

L7 4561 S L2 OR L6

L8 6 S (L7 OR L3 OR L5)(P)L4

E GNABRE, J/IN

=&gt; s sinnot, r/in

FILE FREQUENCY TERM

1 SINNOT, ROBERT POMEROYAN

2 SINNOT, ROBERT POMEROYAN

3 SINNOT, ROBERT POMEROYAN

4 SINNOT, ROBERT POMEROYAN

5 SINNOT, ROBERT POMEROYAN

6 SINNOT, ROBERT POMEROYAN

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E13 USPAT

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E19 USPAT

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E21 USPAT

E22 USPAT

E23 USPAT

E24 USPAT

=&gt; s e16

L1 1 SINNOT, ROBERT A/IN

US PAT NO: 5,837,252 [IMAGE AVAILABLE]

DATE ISSUED: Nov. 17, 1998

TITLE: Nontoxic extract of Larrea tridentata and method of making

same

INVENTOR: \*\*Robert A. Sinnott\*\*, Chandler, AZ

W. Dennis Clark, Phoenix, AZ

Kenneth Frank DeBoer, Belgrade, MT

ASSIGNEE: Larreacorp. Ltd., Chandler, AZ (U.S. corp.)

APPL-NO: 08/726,686

DATE FILED: Oct. 7, 1996

ART-UNIT: 161

PRIM-EXMR: Jean C. Witz

ASST-EXMR: Susan Hanley

LEGAL-REP: David K. Benson, Steven L. Nichols

=&gt; d ccls

US PAT NO: 5,837,252 [IMAGE AVAILABLE]

US-CL-CURRENT: 424/195.1

=&gt; s 424/195, 1/ccls

L2 2975 424/195, 1/CCLS

=&gt; s ndga

L3 146 NDGA

=&gt; s hsv or herpes or virus or viral

L4 2299 HSV

L5 6622 HERPES

L6 2321 VIRUS

L7 1525 VIRAL

L8 1525 VIRAL

L9 1525 VIRAL

L10 1525 VIRAL

L11 1525 VIRAL

L12 1525 VIRAL

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L66 1525 VIRAL

L67 1525 VIRAL

L68 1525 VIRAL

L69 1525 VIRAL

compositions of catecholic butanes; Edward S. Neiss, et al., 514/731 [IMAGE AVAILABLE]

6, 4,880,637, Nov. 14, 1989, Compositions of catecholic butanes with zinc; Russell T. Jordan, 424/641; 514/731, 736, 859, 863 [IMAGE AVAILABLE]

=&gt; d 3,4,6 bib ab kwic

US PAT NO: 5,541,232 [IMAGE AVAILABLE]

DATE ISSUED: Jul. 30, 1996

TITLE: Treatment of multidrug resistant diseases

INVENTOR: Stephen Howell, Del Mar, CA

Atul Khandwala, Edgewater, NJ

Om P. Sachdev, New City, NY

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|-----------|--------|---------------|---------|
| 2,373,147 | 4,1945 | Lauer         | 4265546 |
| 2,382,475 | 1945   | Gissel        | 568729  |
| 2,644,822 | 71955  | Pearl         | 549435  |
| 4,765,927 | 81988  | Nomura et al. | 25240   |
| 4,774,224 | 1988   | Jordan        | 51425   |
| 4,880,657 | 1989   | Jordan        | 42461   |
| 5,276,007 | 1994   | Neiss et al.  | 514731  |

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U.S. DEPARTMENT OF AGRICULTURE  
WASHINGTON, D.C.

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LIP

**INVENTOR:** Robert A. Sinnott, Chandler, AZ  
W. Dennis Clark, Phoenix, AZ  
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**ASSIGNEE:** Larreacorp, Ltd., Chandler, AZ (U.S. corp.)

**APPL-NO:** 087726,686

**DATE FILED:** Oct. 7, 1996

gallate, sodium bisulfite, sodium hydrosulfite, sodium thiosulfate, sulfur dioxide, sulfuric acid, a tocopherol, or vitamin E is made by a process in which the plant material is extracted using an organic solvent; preferably acetone, and is then saturated with one of the listed reducing agents acid to reduce the toxic \*\*NDGA\*\* quinone, which naturally occurs in the plant material, to \*\*NDGA\*\* itself. Additional amounts of ascorbic acid, an ascorbic acid ester, an ascorbic acid salt, hydroquinone, dehydroepiandrosterone, hydroxytoluene, hydrogen sulfide, hypophosphorous acid, morethioglycerol, potassium bisulfite, propyl gallate, sodium bisulfite, sodium hydrosulfite, sodium thiosulfate, sulfur dioxide, sulfuric acid, a tocopherol, or vitamin E may be added to the extract to inhibit the natural oxidation of the \*\*NDGA\*\* into the toxic \*\*NDGA\*\* quinone in vivo, or during processing or storage. The resulting extract is useful in the treatment of \*\*viral\*\* diseases caused by viruses from the Herpesviridae family or viruses which require the Sp1 site of protein kinase C for their replication. The resulting extract is useful in the treatment of inflammation of the skin, such as psoriasis, eczema, and other inflammatory diseases. The extract is also useful in the treatment of other diseases, such as cancer, AIDS, and other diseases.

Food additive.

8 Claims, 5 Drawing Figures

=> e gnabre, j/in

| FILE | FREQUENCY | TERM             |
|------|-----------|------------------|
| E1   | 1         | GNABRE, JOHN N/N |
| E2   | 1         | GNABRE, JOHN N/N |
| E3   | 1         | GNABRE, JOHN N/N |
| E4   | 1         | GNABRE, JOHN N/N |
| E5   | 1         | GNABRE, JOHN N/N |
| E6   | 1         | GNABRE, JOHN N/N |
| E7   | 1         | GNABRE, JOHN N/N |
| E8   | 1         | GNABRE, JOHN N/N |
| E9   | 1         | GNABRE, JOHN N/N |
| E10  | 1         | GNABRE, JOHN N/N |
| E11  | 1         | GNABRE, JOHN N/N |
| E12  | 1         | GNABRE, JOHN N/N |